

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) :	Zhang et al.	)	Examiner:
		)	To Be Assigned
Serial No. :	Division of 10/078,843	)	
		)	Art Unit:
Cnfrm. No. :	To Be Assigned	)	To Be Assigned
		)	
Filed :	Herewith	)	
		)	
For :	A MICROCHIP ELECTROSPRAY DEVICE	)	
	AND COLUMN WITH AFFINITY	)	
	ADSORBENTS AND USE OF THE SAME	)	

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.97-1.98**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

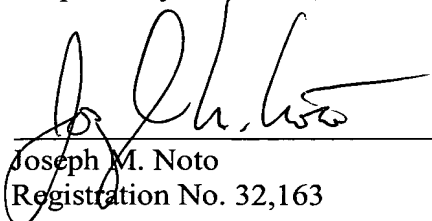
Dear Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, applicants hereby bring to the attention of the United States Patent and Trademark Office ("PTO"), pursuant to 37 C.F.R. §§ 1.97-1.98, the documents listed on the attached PTO-1449 form.

Pursuant to a waiver by the PTO, copies of the cited U.S. Patents are not enclosed. Pursuant to 37 CFR § 1.98(d), the non-patent documents identified on the attached PTO-1449 form are not provided, because these references either were previously cited by or submitted to the PTO in parent U.S. Patent Application Serial No. 10/078,843, filed February 19, 2002, of which this application is a division.

Respectfully submitted,

Date: 9/9/03

  
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Registration No. 32,163

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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>			
				Application Number		Division of 10/078,843	
				Filing Date		Herewith	
				First Named Inventor		Zhang	
				Art Unit		To Be Assigned	
				Examiner Name		To Be Assigned	
Sheet	1	of	2	Attorney Docket Number		200701/1127	

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-4,913,812	04/03/1990	Moriguchi et al.	
	2	US-5,045,190	09/03/1991	Carbonell et al.	
	3	US-5,240,602	08/31/1993	Hammen	
	4	US-5,316,680	05/31/1994	Frechet et al.	
	5	US-5,334,310	08/02/1994	Frechet et al.	
	6	US-5,431,807	07/11/1995	Frechet et al.	
	7	US-5,453,185	09/26/1995	Frechet et al.	
	8	US-5,645,717	07/08/1997	Hjertén et al.	
	9	US-5,872,010	02/16/1999	Karger et al.	
	10	US-5,935,429	08/10/1999	Liao et al.	
	11	US-6,048,546	04/11/2000	Sasaki et al.	
	12	US-6,238,565 B1	05/29/2001	Hatch	
	13	US-6,265,168	07/24/2001	Gjerde et al	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	Division of 10/078,843
				Filing Date	Herewith
				First Named Inventor	Zhang
				Group Art Unit	To Be Assigned
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Sheet	2	of	2	Attorney Docket Number	200701/1127

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	14	Gale et al., "Small Volume and Low Flow-Rate Electrospray Ionization Mass Spectrometry of Aqueous Samples," <u>Rapid Commun. Mass Spectrom.</u> , 7:1017-1021 (1993)		
	15	Gusev et al., "Capillary Columns With in Situ Formed Porous Monolithic Packing for Micro High-Performance Liquid Chromatography and Capillary Electrochromatography," <u>J. Chromatogr. A</u> , 855:273-290 (1999)		
	16	Hjerten et al., "High-Performance Liquid Chromatography on Continuous Polymer Beds," <u>J. Chromatogr.</u> , 473:273-275 (1989)		
	17	Nelson et al., "Biosensor Chip Mass Spectrometry: A Chip-Based Proteomics Approach," <u>Electrophoresis</u> , 21:1155-1163 (2000)		
	18	Merchant et al., "Recent Advancements in Surface-Enhanced Laser Desorption/Ionization-Time of Flight-Mass Spectrometry," <u>Electrophoresis</u> , 21:1164-1167 (2000)		
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